Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/20/2022 08:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124988	-1	1.68	124846	1.72
Blue	F	SSC	125000	126585	1	3.27	127134	3.20
Blue	E	FITC	15860	15537	-3	2.41	379	14.04
Blue	D	PE	27718	27360	-2	1.88	635	10.40
Blue	B	PerCP-Cy5-5	38046	37589	-2	3.08	1025	14.97
Blue	A	PE-Cy7	26092	26126	0	4.86	514	30.65
Red	C	APC	49104	48748	-1	2.64	1722	11.58
Red	A	APC-Cy7	28201	27821	-2	3.00	733	12.25
Violet	B	V450	9904	9552	-4	4.17	532	12.30
Violet	A	V500	39004	37688	-4	3.72	983	9.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23942	2.18	565	-4	N/A	N/A	Pass
Blue	F	SSC	56639	1.89	523	-5	N/A	N/A	Pass
Blue	E	FITC	58	54.24	492	1	0.0425	57	Pass
Blue	D	PE	123	37.93	497	1	0.3985	279	Pass
Blue	B	PerCP-Cy5-5	140	45.39	590	1	0.0197	87	Pass
Blue	A	PE-Cy7	64	92.25	633	1	0.0213	0	Pass
Red	C	APC	330	26.07	579	-2	0.0261	74	Pass
Red	A	APC-Cy7	98	42.10	552	-3	0.0062	1087	Pass
Violet	B	V450	86	51.89	462	4	0.0502	2142	Pass
Violet	A	V500	122	37.72	473	4	0.0222	1777	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.96	-31.80	1.08
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	16.14	13.90 - 20.86	N/A	N/A	30.16	30.40	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9853

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments